UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,328,053 B1
APPLICATION NO. : 09/195791
DATED   : February 5, 2008
INVENTOR(S)   : Mohamed K. Diab et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 1, line 11, after "Oct. 6, 1993" insert -- and a continuation-in-part of Application Serial No. 08/249,690 (now U.S. Patent No. 5,482,036), filed May 26, 1994, which is a continuation of Application Serial No. 07/666,060, filed March 7, 1991 (now abandoned): --.

At column 17, line 35, after "(t)" insert -- = --.

At column 17, line 66, below "Equ. 20a" delete

" $s_{\lambda a}(t) = [\varepsilon_{5,\lambda a}C5 + \varepsilon_{6,\lambda a}C6]\chi_{5,6}(t)$ (20a) ".

At column 18, line 13, below "Equ. 21a" delete

" $n_{\lambda b}(t) = [\varepsilon_{5,\lambda b}C3 + \varepsilon_{6,\lambda b}C4] \chi_{3,4}(t)$ ".

At column 20, line 8, delete " $n''_{\lambda b}$ " and insert -- $n''_{\lambda a}$ --, therefor; line 14, delete " $\varepsilon_{6,}\lambda b$ " and insert -- $\varepsilon_{6,\lambda b}$ --, therefor; line 22, delete "I" and insert -- , --, therefor.

At column 22, line 22, delete "(t)+" and insert -- (t))+ --, therefor.

At column 25, line 45, delete "s₁ (t)" and insert -- s'(t) --, therefor.

At column 26, line 41, delete " $\Gamma_{\varepsilon,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor; line 49, delete " $\delta_{f,m}(t),$ " and insert -- $\Gamma_{f,m}(t),$ --, therefor.

At column 27, line 51, delete " $\gamma 0$ " and insert -- γ_0 --, therefor.

At column 28, line 6, delete " $\delta_{f,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor; line 16, after " γ_{m-1} " delete "(t)/γ_{m-1}"; line 25, delete "FΓ" and insert -- Γ --, therefor; line 47, delete " $S_{\lambda a}(t)$ " and insert -- $s_{\lambda a}(t)$ --, therefor; line 53, delete " $\delta_{f,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor.

At column 30, line 30, delete " $\varepsilon_{b,m-1}$ " and insert -- $\varepsilon^{*}_{b,m-1}$ --, therefor.

At column 31, line 40, delete " $\mathscr{F}_i(t) = \lambda \mathscr{F}_i$ " and insert -- $\mathscr{F}_{m-1}(t) = \lambda \mathscr{F}_{m-1}$ --, therefor; line 25, delete " $\mathscr{F}$ " and insert -- $\mathscr{F}_m$ --, therefor.

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At column 34, line 50, delete "(t_i)" and insert -- (t_1) --, therefor; line 55,

delete " $\varepsilon 6,\lambda bc_6$ " and insert -- $\varepsilon_{6,\lambda b}c_6$ --, therefor; line 63, delete " $\varepsilon_{\lambda b}c_6\Delta\chi$ " and

insert -- $\varepsilon_{6,\lambda b}c_6\Delta\chi$ --, therefor.

At column 41, line 23, after "demodulation" delete "is".
At column 44, line 5, delete "1R" and insert -- IR --, therefor; line 47, delete
""r"" and insert -- "r_n" --, therefor.
At column 45, line 2, delete "$s_{red}(t)$" and insert -- $S_{red}(t)$ --, therefor.
At column 46, line 30, delete "vectors" and insert -- vector --, therefor.
At column 49, line 20, delete "(t_c)" and insert -- $(t_c)^2$ --, therefor; line 22, delete
"(t_b)" and insert -- $(t_b))$ --, therefor.
At column 55, line 60, delete "s_1" and insert -- s_2 --, therefor.
At column 57, line 14, delete "$R_{12}(t_2)ix$" and insert -- $R_{12}(t_2)x$ --, therefor.
At column 62, line 14, delete "$s'(t)$" and insert -- $s'(t) =$ --, therefor.
At column 64, line 53, delete "$n_1(t))$" and insert -- $n'(t))$ --, therefor; line 62,

delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert -- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --, therefor.

At column 65, line 26, delete " $\mathscr{F}_m(t)$ " and insert -- $\mathscr{F}_m(t),$ --, therefor; line 49,

delete " $s''_{nb}(t)$ " and insert -- $s''_{\lambda b}(t)$ --, therefor.

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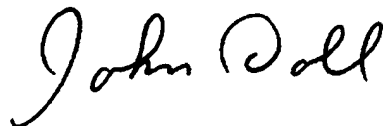INVENTOR(S)   : Mohamed K. Diab et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 68, line 56, after "wherein" delete "is".

This certificate supersedes the Certificate of Correction issued April 28, 2009.

Signed and Sealed this

Nineteenth Day of May, 2009

JOHN DOLL
Acting Director of the United States Patent and Trademark Office